

## ACTUATOR COIL COOLING SYSTEM

### ABSTRACT OF THE DISCLOSURE

An actuator coil with a race track winding that generates a magnetic field. A cooling tube has cooling liquid flowing therethrough and is wrapped around a periphery of said race track winding. A plurality of thermal conductive strips are arranged generally transverse to at least portions of said race track winding so as to conduct heat from said racetrack winding to said cooling tube.

177492\_1.DOC